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Forest Area and Timber Resource Statistics for State and Private Lands in New Mexico, 1980

Dorothy G Felt
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RESEARCH SUMMARY

The State of New Mexico contains 1,254,958 acres of commercial timberland in State and private ownership. These acres support more than 1.1 billion cubic feet of growing stock and 4.1 billion board feet of sawtimber. Additional information on total land area, commercial timberland area, timber inventory, and net annual growth and mortality based on Forest Survey standards is presented.

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Forest Area and Timber Resource Statistics for State and Private Lands in New Mexico, 1980 [4]

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INTRODUCTION

This resource bulletin presents the principal findings of the second Statewide inventory of State and private lands in New Mexico. The first inventory, conducted in 1962, did not sample counties intensively nor were the findings reported at a county or working circle level. Fieldwork for the second cycle, conducted by personnel from the New Mexico Division of State Forestry and the Forest Survey Research Work Unit at the Intermountain Forest and Range Experiment Station in Ogden, Utah, began in 1970 and was completed in 1980 (fig. 1). To

allow for meaningful comparisons the data for those working circles inventoried early in the cycle were updated to 1980. Thus, the information reported here will differ from totals obtained by adding the statistics contained in the individual working circle reports.

The primary objective of Forest Survey, a continuing nationwide undertaking conducted by the Forest Service, U.S. Department of Agriculture, is to provide an assessment of the renewable resource situation for forest and range lands of the Nation. Fundamental to the accomplishment of this objective are the periodic State-by-State resource inventories. Originally, Forest Survey was

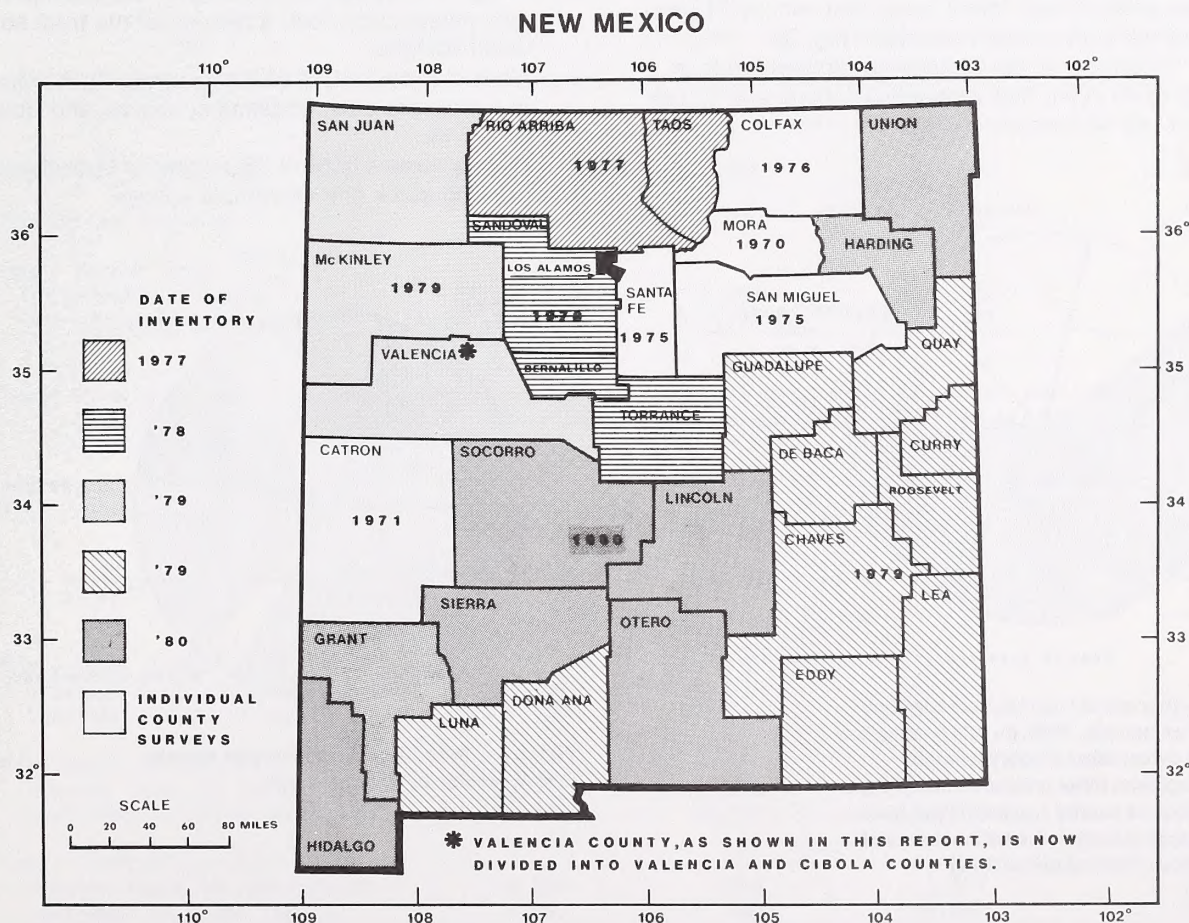


Figure 1.—Date of inventory by working circle, New Mexico.

authorized by the McSweeney-McNary Act of 1928. The current authorization is through the Renewable Resources Research Act of 1978.

The resource inventories for the Rocky Mountain States of Arizona, Colorado, Idaho, Montana, New Mexico, Nevada, Utah, Wyoming, western South Dakota, west Texas, and Oklahoma's Panhandle are administered by the Intermountain Forest and Range Experiment Station with headquarters in Ogden, Utah. These inventories provide information on the extent and condition of State and privately owned forest lands, volume of timber, and rates of timber growth and mortality. These data, when combined with similar information on Federal lands, provide a basis for the formulation of forest policies and programs and for the orderly development and use of the resources.

HIGHLIGHTS

Area

- The forest land area is 6,998,934 acres or 15 percent of the total State and private land area in New Mexico (fig. 2).
- Of the forest land, 1,254,958 acres, almost 18 percent, is classified as commercial timberland.
- Private ownership accounts for 1,161,972 acres, over 92 percent of the commercial timberland.
- Ponderosa pine, Douglas-fir, fir-spruce, and aspen are the predominant forest types and occupy 91 percent of the commercial timberland (fig. 3).
- Over 71 percent of the commercial timberland is in the 20 to 49 cubic foot productivity class, and 92 percent of this is privately owned.

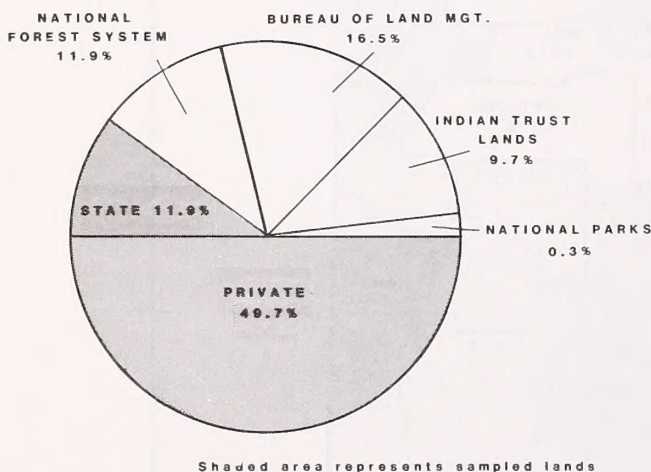


Figure 2.—Percent of total land area in New Mexico by ownership, 1980. (In this publication the private ownership category includes farmer-owned and other private ownerships, a small acreage of county and municipal ownerships and approximately 2.6 million acres of miscellaneous Federal ownership.)

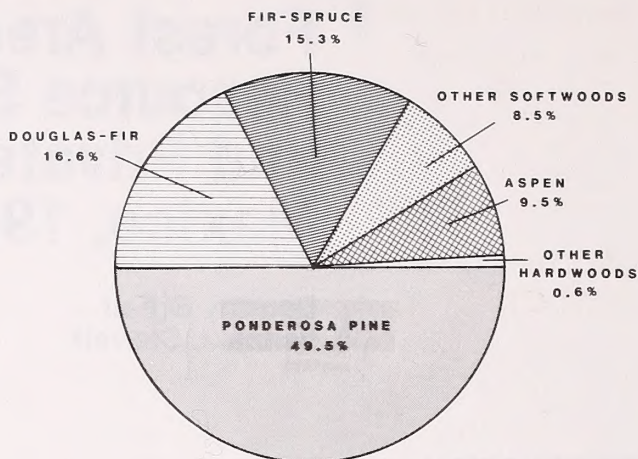


Figure 3.—Percent of commercial timberland in New Mexico by forest type, 1980.

Inventory

- Growing stock amounts to more than 1.1 billion cubic feet and sawtimber volume totals 4.1 billion board feet. In this report all reference to sawtimber volume is in International 1/4-inch rule.
- Ponderosa pine is the predominate species on 50 percent of the commercial timberland (fig. 3).
- Rough, rotten, and salvable dead trees comprise over 101 million cubic feet, 8 percent of the total sound wood volume.
- More than two-thirds of the growing stock volume is in ponderosa pine, Engelmann spruce, and Douglas-fir (fig. 4).
- Private owners control 93 percent of both the total growing stock and sawtimber volume.

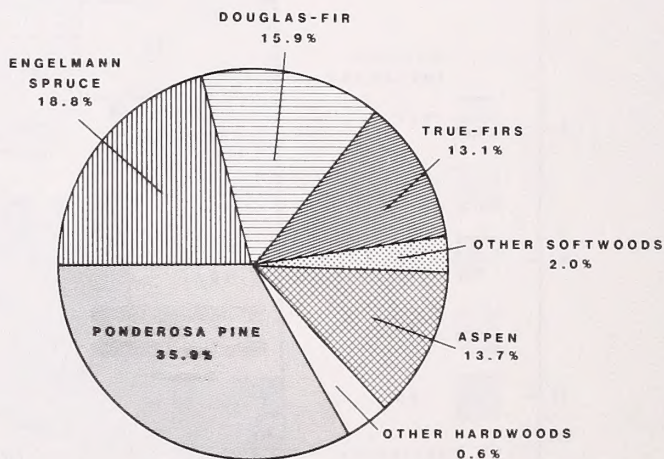


Figure 4.—Percent of sound live tree volume in New Mexico by species, 1980.

Growth and Mortality

- Net annual growth of growing stock totals 27.9 million cubic feet and 118.2 million board feet.
- About 94 percent of the total net growth is on private lands.
- The annual mortality of 1.9 million cubic feet offsets 6 percent of the gross annual growth.

HOW THE INVENTORY WAS CONDUCTED

The inventory was designed to provide reliable statistics primarily at the State and working circle levels. Procedures were:

1. Initial area estimates were based on the classification of 336,171 sample points systematically placed on the latest aerial photographs available. The sample points were summarized and grouped into strata for subsequent field sampling. The photo points, adjusted to meet known land areas, were used to compute area expansion factors for the field stratum means.

2. Land classification and estimates of timber characteristics and volume were based on observations and

measurements recorded at 1,709 ground sample locations of which 1,427 were forested. Sample trees were selected using a 10-point cluster, which includes fixed plots (1/300 acre) for trees less than 5.0 inches diameter at breast height (d.b.h.) and variable plots (40 basal area factor) for trees 5.0 inches d.b.h. or larger.

3. Equations prepared from detailed measurements collected on trees throughout the Southwest were used to compute the volume and defect of individual tally trees.

4. All photo and field data were sent to Ogden, Utah, for editing and were punched onto cards and stored for machine computing, sorting, and tabulation. Final estimates were based on statistical summaries of the data.

DATA RELIABILITY

Individual cells within tables should be used with caution. Some are based on very small sample sizes, and so result in high sampling errors. The standard error percents shown in tables 1 and 2 were calculated at the 67 percent confidence level.

Table 1.--Area of State and private forest land in New Mexico by type group, with percent standard error, 1980

Item	Softwood type	Hardwood type	All types	Percent standard error
----- Acres -----				
Commercial timberland	1,127,304	127,654	1,254,958	±2.7
Productive reserved	438	790	1,228	
Other forest land:				
Unproductive reserved	37,906	4,885	42,791	
Unproductive nonreserved	5,120,828	579,129	5,699,957	

Table 2.--Net volume, net annual growth, and annual mortality of growing stock and sawtimber on State and private commercial timberland in New Mexico by softwoods and hardwoods, with percent standard error

Item	Softwoods	Hardwoods	All species	Percent standard error
----- Volume -----				
Net volume, 1980				
Growing stock (M cubic feet)	986,309	164,958	1,151,267	±6.1
Sawtimber (M board feet ¹)	3,807,205	334,754	4,141,959	±4.5
Net annual growth, 1979				
Growing stock (M cubic feet)	23,473	4,476	27,949	±4.4
Sawtimber (M board feet ¹)	105,039	13,204	118,243	±5.8
Annual mortality, 1979				
Growing stock (M cubic feet)	1,570	294	1,864	±19.6
Sawtimber (M board feet ¹)	5,963	658	6,621	±21.5

¹International 1/4-inch rule.

TERMINOLOGY

The following section contains definitions that are relevant to the timber resource data presented in this resource bulletin.

Land

Area of dry land and land temporarily or partly covered by water, such as marshes, swamps, and river flood plains; streams, sloughs, estuaries, and canals less than 120 feet in width; and lakes, reservoirs, and ponds less than 1 acre in size.

Water

Streams, sloughs, estuaries, and canals more than 120 feet in width; and lakes, reservoirs, and ponds more than 1 acre in size.

Land Use Classes

Forest land.—Land at least 10.0 percent stocked by forest trees of any size, or formerly having had such tree cover, and not currently developed for nonforest use.

Commercial timberland.—Forest land producing or capable of producing crops of industrial wood and not withdrawn from timber utilization. (Areas qualifying have the capability of producing in excess of 20 cubic feet per acre per year of industrial wood in natural stands. Currently inaccessible and inoperable areas are included.)

Productive-reserved forest land.—Forest land sufficiently productive to qualify as commercial timberland, but withdrawn from timber utilization through statute, administrative designation, or exclusive use for Christmas tree production.

Other forest land.—Forest land incapable of producing 20 cubic feet per acre per year of industrial wood in natural stands because of adverse site conditions; includes both reserved and nonreserved forest land.

Nonforest land.—Land that has never supported forests and lands formerly forested where use for timber management is precluded by development for other uses.

Public Ownership Classes

National Forest lands.—Federal lands legally designated as National Forest or purchase units and other lands under the administration of the Forest Service, including experimental areas and Bankhead-Jones Title III lands.

Bureau of Land Management lands.—Federal lands administered by the Bureau of Land Management.

Miscellaneous Federal lands.—Federal lands other than (1) National Forest lands; (2) lands administered by the Bureau of Land Management; and (3) Indian trust lands.

Indian trust lands.—Indian lands held in trust by the Federal Government, for Indian tribal groups or for individual allotments.

State lands.—Lands owned by State or lands leased to the State for 50 years or more.

County and municipal lands.—Lands owned by counties and local public agencies or municipalities, or lands leased to these governmental units for 50 years or more.

Private Ownership Classes

Forest industry lands.—Lands owned by companies or by individuals operating wood-processing plants.

Farmer-owned lands.—Lands owned by farm operators. These exclude lands leased by farm operators from such nonfarm owners as railroad companies and States.

Other private lands.—Privately owned lands other than forest industry and farmer-owned lands.

Forest Type and Tree Species

Forest types.—A classification of forest land based upon the species forming a plurality of live-tree stocking.

Forest trees.—Woody plants having a well-developed stem and usually more than 12 feet in height at maturity.

Commercial species.—Tree species presently or prospectively suitable for industrial wood products.

Softwoods.—Monocotyledonous trees, usually evergreen having needles or scalelike leaves.

Hardwoods.—Dicotyledonous trees, usually broad-leaved and deciduous.

Area Condition Classes

Stocking.—Stocking is an expression of the extent to which growing space is effectively utilized by present or potential growing stock trees of commercial species. "Percent of stocking" is synonymous with "percentage of growing space occupied" and means the ratio of actual stocking to full stocking for comparable sites and stands. Basal area is used as a basis for measuring stocking.

"Stocking percentages" express current area occupancy in relation to specified standards for full stocking based on number, size, and spacing of trees considered necessary to fully utilize the forest land.

Full utilization of the site is assumed to occur over a range of basal area. As an interim guide, 60 percent of normal yield table values has been used to establish the lower limit of this range, which represents full-site occupancy, and equals 100-percent stocking. The upper limit of full stocking has been set at 132 percent.

Class 10.—Areas fully stocked (100 to 132 percent) with desirable trees and not overstocked (133 percent or more).

Class 20.—Areas fully stocked with desirable trees, but overstocked with all live trees.

Class 30.—Areas medium to fully stocked (60 to 99 percent) with desirable trees and with less than 30 percent of the area controlled by other trees and/or inhibiting vegetation or surface conditions that will prevent occupancy by desirable trees.

Class 40.—Areas medium to fully stocked with desirable trees and with 30 percent or more of the area controlled by other trees and/or conditions that ordinarily prevent occupancy by desirable trees.

Class 50.—Areas poorly stocked (16.7 to 59 percent) with desirable trees, but fully stocked with growing stock trees.

Class 60.—Areas poorly stocked with desirable trees, but with medium to full stocking of growing stock trees.

Class 70.—Areas nonstocked (less than 16.7 percent) or poorly stocked with desirable trees, and poorly stocked with growing stock trees.

Class 80.—Low-risk old-growth stands.

Class 90.—High-risk old-growth stands.

Nonstocked.—Areas less than 16.7 percent stocked with growing stock trees.

Productivity

Productivity class.—A classification of forest land in terms of potential growth in cubic feet of fully stocked natural stands.

Stand-Size Classes

Sawtimber stands.—Stands at least 16.7 percent stocked with growing stock trees, with half or more of total stocking in sawtimber or poletimber trees, and with sawtimber stocking at least equal to poletimber stocking.

Poletimber stands.—Stands at least 16.7 percent stocked with growing stock trees in which half or more of this stocking is in poletimber and/or sawtimber trees, and with poletimber stocking exceeding that of sawtimber.

Sapling-seedling stands.—Stands at least 16.7 percent stocked with growing stock trees in which more than half of the stocking is saplings and/or seedlings.

Nonstocked land.—Commercial timberland less than 16.7 percent stocked with growing stock trees.

Class of Timber

Growing stock trees.—Live trees of commercial species qualifying as desirable or acceptable trees. (Excludes rough, rotten, and dead trees.)

Desirable trees.—Growing stock trees (1) having no serious defect in quality to limit present or prospective use for timber products; (2) of relatively high vigor; and (3) containing no pathogens that may result in death or serious deterioration before rotation age.

Acceptable trees.—Growing stock trees meeting specified standards of size and quality, but not qualifying as desirable trees.

Rough trees.—(1) Live trees that do not contain at least one 12-foot saw log or two noncontiguous saw logs, each 8 feet or longer, now or prospectively, and/or do not meet Rocky Mountain regional specifications for freedom from defect primarily because of roughness or poor form; and (2) all live trees of noncommercial species.

Rotten trees.—Live trees that do not contain at least one 12-foot saw log or two noncontiguous saw logs, each 8 feet or longer, now or prospectively, and/or do not meet Rocky Mountain regional specifications for freedom from defect primarily because of rot; that is, when more than 50 percent of the cull volume (cubic-foot basis) in a tree is rotten.

Salvable dead trees.—Standing or down dead trees that are considered merchantable by Rocky Mountain regional standards.

Saw-log portion.—That part of the bole of sawtimber trees between the stump and the saw-log top. A 1-foot stump is used.

Upper-stem portion.—That part of the bole of sawtimber trees above the saw-log top to a minimum top diameter of 4.0 inches outside bark or to the point where the central stem breaks into limbs, whichever occurs first.

Tree-Size Classes

Seedlings.—Live trees less than 1.0 inch d.b.h.

Saplings.—Trees 1.0 to 4.9 inches d.b.h.

Poletimber trees.—Trees at least 5.0 inches d.b.h., but smaller than sawtimber size.

Sawtimber trees.—Trees exceeding poletimber size. In the Intermountain States, the minimum d.b.h. for softwood sawtimber is 9.0 inches and for hardwoods 11.0 inches.

Volume

Cull volume.—Portions of a tree's volume that are not usable for industrial wood products because of rot, poor form, or other defect.

Net volume.—Gross volume less deductions for cull.

Growing stock volume.—Net volume in cubic feet of live sawtimber trees and live poletimber trees from stump to a minimum 4.0-inch top (of central stem) outside bark. Net volume equals gross volume less deduction for rot and missing bole sections.

Sawtimber volume.—Net volume in board feet of sawtimber trees of commercial species. Net volume equals gross volume less deduction for rot, sweep, crook, and other defects that affect use for lumber.

Growth and Mortality

Net annual growth.—The increase in net growing stock or sawtimber volume of a specified size class for a specific year. (Components of net annual growth include the increment in net volume of trees at the beginning of the specific year surviving to its end, plus the net volume of trees reaching the size class during the year, minus the net volume of trees that died during the year, minus the net volume of trees that became rough or rotten trees during the year.)

Mortality.—Number or sound-wood volume of growing stock trees dying from natural causes during a specified period, usually annually.

FOREST SURVEY TABLES

Table 3.--Total land and water area in New Mexico by
ownership class, 1980

Ownership class	Area
	- - - Acres - - -
Land:	
National Forest ¹	9,230,765
Bureau of Land Management	12,836,240
National Park ²	246,800
Indian trust lands	7,507,267
State	9,223,939
Private ³	38,609,357
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Total land area	77,654,368
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Census water	164,851
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Total land and water ⁴	77,819,219
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¹Includes National Grasslands administered by the Forest Service.

²Not included with miscellaneous Federal ownership, a category of private, for purposes of clarity.

³On this and all following tables, the private ownership category includes farmer-owned and other private ownerships, a small acreage of county and municipal ownership, and approximately 2.6 million acres of miscellaneous Federal ownership. Also includes the recent transfer of 100,000 acres of private land to the National Forest System (Valle Vidal-Carson National Forest).

⁴U.S. Bureau of the Census, land and water area of the United States, 1980.

Table 4.--Total land area of State and private ownership in New Mexico by major land class and ownership class, 1980

Land class	Ownership class		Total
	State	Private	
	- - - - - Acres - - - - -		
Commercial timberland	92,986	1,161,972	1,254,958
Productive reserved forest land	688	540	1,228
Other forest land:			
Unproductive reserved	11,785	31,006	42,791
Unproductive nonreserved	1,026,173	4,673,784	5,699,957
Total forest land	1,131,632	5,867,302	6,998,934
Nonforest land	8,092,307	32,742,055	40,834,362
Total land area	9,223,939	38,609,357	47,833,296

Table 5.--Area of State and private commercial timberland in New Mexico by forest type, stand-size class, and productivity class, 1980

Forest type and stand-size class	Productivity class				Total acres
	120+	85-119	50-84	20-49	
----- Acres -----					
Douglas-fir:					
Sawtimber	--	5,177	39,094	87,217	131,488
Poletimber	--	--	10,051	37,529	47,580
Sapling and seedling	--	--	3,125	23,285	26,410
Nonstocked	--	--	--	1,971	1,971
Total	--	5,177	52,270	150,002	207,449
Ponderosa pine:					
Sawtimber	--	2,801	76,296	396,979	476,076
Poletimber	--	--	10,238	75,631	85,869
Sapling and seedling	--	--	2,283	13,710	15,993
Nonstocked	--	--	--	43,210	43,210
Total	--	2,801	88,817	529,530	621,148
Southwestern white pine:					
Sawtimber	--	--	670	--	670
Poletimber	--	--	--	--	--
Sapling and seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	--	670	--	670
Spruce-subalpine fir:					
Sawtimber	--	5,575	55,947	40,839	102,361
Poletimber	--	--	10,327	9,644	19,971
Sapling and seedling	--	1,806	--	9,877	11,683
Nonstocked	--	--	--	--	--
Total	--	7,381	66,274	60,360	134,015
Limber pine:					
Sawtimber	2,643	--	1,155	--	3,798
Poletimber	--	--	--	--	--
Sapling and seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	2,643	--	1,155	--	3,798
White fir:					
Sawtimber	--	4,676	23,376	15,904	43,956
Poletimber	--	--	644	--	644
Sapling and seedling	--	--	--	3,510	3,510
Nonstocked	--	--	613	1,970	2,583
Total	--	4,676	24,633	21,384	50,693

(con.)

Table 5. (con.)

Forest type and stand-size class	Productivity class				Total acres
	120+	85-119	50-84	20-49	
- - - - - Acres - - - - -					
Engelmann spruce:					
Sawtimber	--	7,167	10,341	10,031	27,539
Poletimber	--	670	4,713	15,482	20,865
Sapling and seedling	--	--	7,217	1,929	9,146
Nonstocked	--	--	--	662	662
Total	--	7,837	22,271	28,104	58,212
Pinyon-juniper:					
Sawtimber	--	--	123	22,193	22,316
Poletimber	--	--	--	10,353	10,353
Sapling and seedling	--	--	--	9,396	9,396
Nonstocked	--	--	--	9,254	9,254
Total	--	--	123	51,196	51,319
Aspen:					
Sawtimber	--	2,824	40,401	13,119	56,344
Poletimber	611	5,509	8,878	8,515	23,513
Sapling and seedling	--	--	9,666	30,143	39,809
Nonstocked	--	--	--	--	--
Total	611	8,333	58,945	51,777	119,666
Cottonwood:					
Sawtimber	--	1,631	--	2,982	4,613
Poletimber	--	--	1,882	729	2,611
Sapling and seedling	--	--	--	--	--
Nonstocked	--	--	--	661	661
Total	--	1,631	1,882	4,372	7,885
Mixed hardwoods:					
Sawtimber	--	--	--	103	103
Poletimber	--	--	--	--	--
Sapling and seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	--	--	103	103
All types:					
Sawtimber	2,643	29,851	247,403	589,367	869,264
Poletimber	611	6,179	46,733	157,883	211,406
Sapling and seedling	--	1,806	22,291	91,850	115,947
Nonstocked	--	--	613	57,728	58,341
Total	3,254	37,836	317,040	896,828	1,254,958

Table 6.--Area of State-owned commercial timberland in New Mexico by forest type, stand-size class, and productivity class, 1980

Forest type and stand-size class	Productivity class				Total acres
	120+	85-119	50-84	20-49	
- - - - - Acres - - - - -					
Douglas-fir:					
Sawtimber	--	55	2,059	3,840	5,954
Poletimber	--	--	1,398	4,642	6,040
Sapling and seedling	--	--	261	3,159	3,420
Nonstocked	--	--	--	235	235
Total	--	55	3,718	11,876	15,649
Ponderosa pine:					
Sawtimber	--	307	4,922	29,718	34,947
Poletimber	--	--	687	5,931	6,618
Sapling and seedling	--	--	19	1,058	1,077
Nonstocked	--	--	--	3,411	3,411
Total	--	307	5,628	40,118	46,053
Southwestern white pine:					
Sawtimber	--	--	6	--	6
Poletimber	--	--	--	--	--
Sapling and seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	--	6	-	6
Spruce-subalpine fir:					
Sawtimber	--	117	2,210	1,430	3,757
Poletimber	--	--	339	1,362	1,701
Sapling and seedling	--	91	--	659	750
Nonstocked	--	--	--	--	--
Total	--	208	2,549	3,451	6,208
Limber pine:					
Sawtimber	25	--	42	--	67
Poletimber	--	--	--	--	--
Sapling and seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	25	--	42	--	67
White fir:					
Sawtimber	--	65	1,390	1,627	3,082
Poletimber	--	--	--	--	--
Sapling and seedling	--	--	--	654	654
Nonstocked	--	--	--	234	234
Total	--	65	1,390	2,515	3,970

(con.)

Table 6. (con.)

Forest type and stand-size class	Productivity class				Total acres
	120+	85-119	50-84	20-49	
- - - - - Acres - - - - -					
Engelmann spruce:					
Sawtimber	--	1,295	1,311	2,259	4,865
Poletimber	--	5	140	2,661	2,806
Sapling and seedling	--	--	1,301	17	1,318
Nonstocked	--	--	--	7	7
Total	--	1,300	2,752	4,944	8,996
Pinyon-juniper:					
Sawtimber	--	--	--	854	854
Poletimber	--	--	--	276	276
Sapling and seedling	--	--	--	1,093	1,093
Nonstocked	--	--	--	263	263
Total	--	--	--	2,486	2,486
Aspen:					
Sawtimber	--	92	2,560	427	3,079
Poletimber	--	196	1,251	411	1,858
Sapling and seedling	--	--	831	3,413	4,244
Nonstocked	--	--	--	--	--
Total	--	288	4,642	4,251	9,181
Cottonwood:					
Sawtimber	--	110	--	123	233
Poletimber	--	--	94	37	131
Sapling and seedling	--	--	--	--	--
Nonstocked	--	--	--	6	6
Total	--	110	94	166	370
Mixed hardwoods:					
Sawtimber	--	--	--	--	--
Poletimber	--	--	--	--	--
Sapling and seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	--	--	--	--
All types:					
Sawtimber	25	2,041	14,500	40,278	56,844
Poletimber	--	201	3,909	15,320	19,430
Sapling and seedling	--	91	2,412	10,053	12,556
Nonstocked	--	--	--	4,156	4,156
Total	25	2,333	20,821	69,807	92,986

Table 7.--Area of privately owned commercial timberland in New Mexico by forest type, stand-size class, and productivity class, 1980

Forest type and stand-size class	Productivity class				Total acres
	120+	85-119	50-84	20-49	
----- Acres -----					
Douglas-fir:					
Sawtimber	--	5,122	37,035	83,377	125,534
Poletimber	--	--	8,653	32,887	41,540
Sapling and seedling	--	--	2,864	20,126	22,990
Nonstocked	--	--	--	1,736	1,736
Total	--	5,122	48,552	138,126	191,800
Ponderosa pine:					
Sawtimber	--	2,494	71,374	367,261	441,129
Poletimber	--	--	9,551	69,700	79,251
Sapling and seedling	--	--	2,264	12,652	14,916
Nonstocked	--	--	--	39,799	39,799
Total	--	2,494	83,189	489,412	575,095
Southwestern white pine:					
Sawtimber	--	--	664	--	664
Poletimber	--	--	--	--	--
Sapling and seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	--	664	--	664
Spruce-subalpine fir:					
Sawtimber	--	5,458	53,737	39,409	98,604
Poletimber	--	--	9,988	8,282	18,270
Sapling and seedling	--	1,715	--	9,218	10,933
Nonstocked	--	--	--	--	--
Total	--	7,173	63,725	56,909	127,807
Limber pine:					
Sawtimber	2,618	--	1,113	--	3,731
Poletimber	--	--	--	--	--
Sapling and seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	2,618	--	1,113	--	3,731
White fir:					
Sawtimber	--	4,611	21,986	14,277	40,874
Poletimber	--	--	644	--	644
Sapling and seedling	--	--	--	2,856	2,856
Nonstocked	--	--	613	1,736	2,349
Total	--	4,611	23,243	18,869	46,723

(con.)

Table 7 (con.)

Forest type and stand-size class	Productivity class				Total acres
	120+	85-119	50-84	20-49	
- - - - - Acres - - - - -					
Engelmann spruce:					
Sawtimber	--	5,872	9,030	7,772	22,674
Poletimber	--	665	4,573	12,821	18,059
Sapling and seedling	--	--	5,916	1,912	7,828
Nonstocked	--	--	--	655	655
Total	--	6,537	19,519	23,160	49,216
Pinyon-juniper:					
Sawtimber	--	--	123	21,339	21,462
Poletimber	--	--	--	10,077	10,077
Sapling and seedling	--	--	--	8,303	8,303
Nonstocked	--	--	--	8,991	8,991
Total	--	--	123	48,710	48,833
Aspen:					
Sawtimber	--	2,732	37,841	12,692	53,265
Poletimber	611	5,313	7,627	8,104	21,655
Sapling and seedling	--	--	8,835	26,730	35,565
Nonstocked	--	--	--	--	--
Total	611	8,045	54,303	47,526	110,485
Cottonwood:					
Sawtimber	--	1,521	--	2,859	4,380
Poletimber	--	--	1,788	692	2,480
Sapling and seedling	--	--	--	--	--
Nonstocked	--	--	--	655	655
Total	--	1,521	1,788	4,206	7,515
Mixed hardwoods:					
Sawtimber	--	--	--	103	103
Poletimber	--	--	--	--	--
Sapling and seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	--	--	103	103
All types:					
Sawtimber	2,618	27,810	232,903	549,089	812,420
Poletimber	611	5,978	42,824	142,563	191,976
Sapling and seedling	--	1,715	19,879	81,797	103,391
Nonstocked	--	--	613	53,572	54,185
Total	3,229	35,503	296,219	827,021	1,161,972

Table 8.--Area of State and private commercial timberland in New Mexico by stand volume and ownership class, 1980

Stand volume per acre ¹	Ownership class		
	State	Private	State and private
	- - - - - Acres - - - - -		
Less than 1,500 board feet	37,250	425,555	462,805
1,500 to 4,999 board feet	44,033	521,686	565,719
5,000 to 9,999 board feet	10,933	180,535	191,468
10,000 board feet or more	770	34,196	34,966
All classes	92,986	1,161,972	1,254,958

¹International 1/4-inch rule.

Table 9.--Area of State and private commercial timberland in New Mexico by forest type and area condition class, 1980

Forest type	Area condition class										Nonstocked	All classes
	10	20	30	40	50	60	70	80	90			
	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-
Douglas-fir	--	4,042	57,800	11,758	15,277	38,133	46,714	16,357	15,397	1,971	207,449	
Ponderosa pine	--	--	8,809	6,998	35,965	179,998	252,682	32,934	60,552	43,210	621,148	
Southwestern white pine	--	--	--	--	--	--	670	--	--	--	670	
Spruce-subalpine fir	3,822	6,576	28,643	22,776	1,820	25,132	27,880	15,561	1,805	--	134,015	
Limber pine	--	--	--	--	3,798	--	--	--	--	--	3,798	
White fir	--	--	4,664	4,895	13,200	11,655	11,113	644	1,939	2,583	50,693	
Engelmann spruce	--	--	19,696	2,466	1,282	24,083	2,259	538	7,226	662	58,212	
Pinyon-juniper	--	--	--	--	--	11,085	21,040	--	9,940	9,254	51,319	
Total softwoods	3,822	10,618	119,612	48,893	71,342	290,086	362,358	66,034	96,859	57,680	1,127,304	
Aspen	2,163	13,888	16,769	4,987	22,325	33,629	19,512	--	6,393	--	119,666	
Cottonwood	--	--	--	--	--	--	6,815	--	409	661	7,885	
Mixed hardwoods	--	--	--	--	--	--	103	--	--	--	103	
Total hardwoods	2,163	13,888	16,769	4,987	22,325	33,629	26,430	--	6,802	661	127,654	
All types	5,985	24,506	136,381	53,880	93,667	323,715	388,788	66,034	103,661	58,341	1,254,958	

Table 10.--Area of State and private productive reserved and other forest land in New Mexico by land class, ownership class, and forest type, 1980

Land class	Forest type										
	Douglas- fir	Ponderosa pine	Bristlecone pine	Subalpine fir	Limber pine	Spruce- fir	White fir	Engelmann spruce	Pinyon- juniper	Mixed softwoods	Total softwoods
----- Acres -----											
Productive reserved area:											
State	13	158	--	--	--	5	--	--	33	40	249
Private	--	189	--	--	--	--	--	--	--	--	189
Total	13	347	--	--	--	5	--	--	33	40	438
Other forest land area:											
Unproductive reserved:											
State	--	4	--	--	--	--	--	--	5,402	1,611	7,017
Private	--	--	--	--	--	--	--	--	25,120	5,769	30,889
Total	--	4	--	--	--	--	--	--	30,522	7,380	37,906
Unproductive nonreserved:											
State	773	8,307	--	335	271	--	6	287	831,702	93,116	934,797
Private	12,954	78,450	104	9,129	3,819	--	665	4,338	3,266,355	810,217	4,186,031
Total	13,727	86,757	104	9,464	4,090	--	671	4,625	4,098,057	903,333	5,120,828
Total all areas:											
State	786	8,469	--	335	271	5	6	287	837,137	94,767	942,063
Private	12,954	78,639	104	9,129	3,819	--	665	4,338	3,291,475	815,986	4,217,109
Total acres	13,740	87,108	104	9,464	4,090	5	671	4,625	4,128,612	910,753	5,159,172

(con.)

Table 10 (con.)

Land class	Forest type				
	Oak	Aspen	Cottonwood	Mixed hardwoods	Total hardwoods
					All types
----- Acres -----					
Productive reserved area:					
State	--	--	--	439	439
Private	--	351	--	--	351
Total	--	351	--	439	790

1,734					688
--					540
Total					1,228

Other forest land area:					
Unproductive reserved:					
State	1,734	--	--	3,034	4,768
Private	--	--	--	117	117
Total	1,734	--	--	3,151	4,885

Unproductive nonreserved:					
State	--	4,197	385	86,794	91,376
Private	--	29,538	7,346	450,869	487,753
Total	--	33,735	7,731	537,663	579,129

Unproductive nonreserved:					
State	--	4,197	385	86,794	91,376
Private	--	29,538	7,346	450,869	487,753
Total	--	33,735	7,731	537,663	579,129

1,734					1,026,173
--					4,673,784
Total					5,699,957

Total all areas:					
State	1,734	4,197	385	90,267	96,583
Private	--	29,889	7,346	450,986	488,221
Total acres	1,734	34,086	7,731	541,253	584,804

					5,743,976

Table 11.--Number of growing stock trees on State and private commercial timberland in New Mexico by species and diameter class, 1980

Species	Diameter class (inches at breast height)																All classes
	1.0- 2.9	3.0- 4.9	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 22.9	23.0- 24.9	25.0- 26.9	27.0- 28.9	29.0+		
----- Thousand trees -----																	
Douglas-fir	21,618	12,781	8,275	6,183	3,975	2,103	1,416	586	418	177	172	97	57	23	48	57,929	
Ponderosa pine	20,867	25,385	19,305	16,046	9,348	6,535	3,909	1,922	1,045	513	334	207	50	40	53	105,559	
Southwestern white pine	204	106	124	56	30	18	24	14	10	7	3	--	1	1	(1)	598	
Limber pine	1,713	1,556	703	524	246	155	35	50	31	19	7	4	1	--	--	5,044	
Subalpine fir	11,552	7,813	4,532	1,668	1,173	622	276	123	91	39	27	8	2	3	2	27,931	
White fir	27,325	7,427	3,887	2,642	1,673	1,243	622	361	257	99	78	38	30	13	25	45,720	
Engelmann spruce	20,154	18,908	8,753	6,072	5,035	2,435	1,255	738	361	112	91	47	24	19	8	64,022	
Pinyon/juniper	3,216	6,606	2,771	1,639	382	220	106	102	28	--	3	--	4	--	--	15,077	
Total softwoods	106,649	80,582	48,350	34,830	21,862	13,331	7,653	3,896	2,241	966	715	401	169	99	136	321,880	
Aspen	26,270	22,402	10,106	6,666	3,147	1,346	738	308	102	24	7	3	1	--	--	71,120	
Cottonwood	60	354	102	295	106	7	--	33	27	6	8	7	4	1	1	1,011	
Other hardwoods	153	260	33	113	19	--	2	--	--	3	3	--	--	--	--	586	
Total hardwoods	26,483	23,016	10,241	7,074	3,272	1,353	740	341	129	33	18	10	5	1	1	72,717	
All species	133,132	103,598	58,591	41,904	25,134	14,684	8,393	4,237	2,370	999	733	411	174	100	137	394,597	

¹Less than 500 trees.

Table 12.--Number of cull and salvable dead trees on State and private commercial timberland in New Mexico by ownership class, and softwoods and hardwoods, 1980

Ownership class and species group	Cull trees		Salvable dead trees	
	Sound	Rotten		Total
State:	----- Thousand trees -----			
Softwoods	6,729	145	6,874	399
Hardwoods	901	374	1,275	156
Total	7,630	519	8,149	555
Private:				
Softwoods	54,626	2,278	56,904	3,764
Hardwoods	9,045	7,129	16,174	1,651
Total	63,671	9,407	73,078	5,415
State and private:				
Softwoods	61,355	2,423	63,778	4,163
Hardwoods	9,946	7,503	17,449	1,807
Total	71,301	9,926	81,227	5,970

Table 13.--Net volume of growing stock on State and private commercial timberland in New Mexico by ownership class, forest type, and stand-size class, 1980

Ownership class	Forest type	Stand-size class				All classes
		Sawtimber	Poletimber	Sapling/seedling	Nonstocked	
----- Thousand cubic feet -----						
State:						
	Douglas-fir	6,177	3,502	1,022	46	10,747
	Ponderosa pine	26,159	3,385	106	607	30,257
	Southwestern white pine	6	--	--	--	6
	Spruce-subalpine fir	7,113	1,822	233	--	9,168
	Limber pine	134	--	--	--	134
	White fir	3,322	--	191	50	3,563
	Engelmann spruce	6,491	3,487	959	(¹)	10,937
	Pinyon-juniper	208	64	69	13	354
	Aspen	4,059	4,638	958	--	9,655
	Cottonwood	289	101	--	2	392
	Mixed hardwoods	--	--	--	--	--
	All types	53,958	16,999	3,538	718	75,213
Private:						
	Douglas-fir	175,938	31,558	7,652	343	215,491
	Ponderosa pine	332,085	40,658	2,708	6,609	382,060
	Southwestern white pine	735	--	--	--	735
	Spruce-subalpine fir	162,138	20,829	3,161	--	186,128
	Limber pine	8,549	--	--	--	8,549
	White fir	53,021	526	835	624	55,006
	Engelmann spruce	35,224	22,831	5,313	58	63,426
	Pinyon-juniper	6,119	2,417	741	452	9,729
	Aspen	97,834	40,189	9,612	--	147,635
	Cottonwood	5,165	1,921	--	189	7,275
	Mixed hardwoods	20	--	--	--	20
	All types	876,828	160,929	30,022	8,275	1,076,054
State and private:						
	Douglas-fir	182,115	35,060	8,674	389	226,238
	Ponderosa pine	358,244	44,043	2,814	7,216	412,317
	Southwestern white pine	741	--	--	--	741
	Spruce-subalpine fir	169,251	22,651	3,394	--	195,296
	Limber pine	8,683	--	--	--	8,683
	White fir	56,343	526	1,026	674	58,569
	Engelmann spruce	41,715	26,318	6,272	58	74,363
	Pinyon-juniper	6,327	2,481	810	465	10,083
	Aspen	101,893	44,827	10,570	--	157,290
	Cottonwood	5,454	2,022	--	191	7,667
	Mixed hardwoods	20	--	--	--	20
	All types	930,786	177,928	33,560	8,993	1,151,267

¹Less than 0.5 thousand cubic feet.

Table 14.--Net volume of sawtimber on State and private commercial timberland in New Mexico by ownership class, forest type, and stand-size class, 1980

Ownership class	Forest type	Stand-size class				All classes
		Sawtimber	Poletimber	Sapling/seedling	Nonstocked	
----- Thousand board feet ¹ -----						
State:						
	Douglas-fir	23,990	6,475	2,796	203	33,464
	Ponderosa pine	108,634	8,377	389	3,050	120,450
	Southwestern white pine	27	--	--	--	27
	Spruce-subalpine fir	28,120	2,085	879	--	31,084
	Limber pine	414	--	--	--	414
	White fir	12,917	--	528	215	13,660
	Engelmann spruce	24,773	7,505	3,388	3	35,669
	Pinyon-juniper	762	253	169	65	1,249
	Aspen	13,381	4,948	1,672	--	20,001
	Cottonwood	1,380	34	--	10	1,424
	Mixed hardwoods	--	--	--	--	--
	All types	214,398	29,677	9,821	3,546	257,442
Private:						
	Douglas-fir	735,383	61,208	24,563	1,500	822,654
	Ponderosa pine	1,350,213	88,736	10,237	33,552	1,482,738
	Southwestern white pine	3,279	--	--	--	3,279
	Spruce-subalpine fir	622,863	30,385	11,129	--	664,377
	Limber pine	20,853	--	--	--	20,853
	White fir	192,617	1,012	2,305	2,671	198,605
	Engelmann spruce	141,217	47,470	18,110	304	207,101
	Pinyon-juniper	21,009	9,923	2,582	2,305	35,819
	Aspen	342,356	55,813	24,044	--	422,213
	Cottonwood	25,142	642	--	1,020	26,804
	Mixed hardwoods	74	--	--	--	74
	All types	3,455,006	295,189	92,970	41,352	3,884,517
State and private:						
	Douglas-fir	759,373	67,683	27,359	1,703	856,118
	Ponderosa pine	1,458,847	97,113	10,626	36,602	1,603,188
	Southwestern white pine	3,306	--	--	--	3,306
	Spruce-subalpine fir	650,983	32,470	12,008	--	695,461
	Limber pine	21,267	--	--	--	21,267
	White fir	205,534	1,012	2,833	2,886	212,265
	Engelmann spruce	165,990	54,975	21,498	307	242,770
	Pinyon-juniper	21,771	10,176	2,751	2,370	37,068
	Aspen	355,737	60,761	25,716	--	442,214
	Cottonwood	26,522	676	--	1,030	28,228
	Mixed hardwoods	74	--	--	--	74
	All types	3,669,404	324,866	102,791	44,898	4,141,959

¹International 1/4-inch rule.

Table 15.--Net volume of growing stock on State and private commercial timberland in New Mexico by species and diameter class, 1980

Species	Diameter class (inches at breast height)														All classes
	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-22.9	23.0-24.9	25.0-26.9	27.0-28.9	29.0+		
	Thousand cubic feet														
Douglas-fir	12,799	23,619	28,632	26,292	24,684	15,238	13,127	8,086	9,482	6,822	4,516	2,246	7,608	183,151	
Ponderosa pine	22,661	52,723	59,202	69,359	62,843	43,993	33,283	22,054	17,888	13,723	4,198	3,683	7,594	413,204	
Southwestern white pine	315	262	252	251	498	435	363	289	135	--	80	63	36	2,979	
Limber pine	1,476	1,972	1,831	1,764	781	1,083	966	712	268	191	70	--	--	11,114	
Subalpine fir	8,581	8,256	11,592	9,699	6,115	3,689	3,161	1,904	1,487	602	273	229	253	55,841	
White fir	7,106	12,768	13,283	15,546	11,251	9,167	7,840	4,234	4,138	2,548	2,266	1,268	3,814	95,229	
Engelmann spruce	16,994	29,564	45,669	36,528	28,189	23,276	14,425	6,083	6,054	3,709	2,201	1,968	1,318	215,978	
Pinyon/juniper	1,407	2,520	1,349	958	1,058	1,134	254	--	79	--	54	--	--	8,813	
Total softwoods	71,339	131,684	161,810	160,397	135,419	98,015	73,419	43,362	39,531	27,595	13,658	9,457	20,623	986,309	
Aspen	23,808	42,464	35,020	23,203	17,772	9,637	4,287	1,227	348	166	53	--	--	157,985	
Cottonwood	275	1,283	974	70	--	1,058	1,223	206	444	382	293	42	151	6,401	
Other hardwoods	26	343	119	--	37	--	--	23	24	--	--	--	--	572	
Total hardwoods	24,109	44,090	36,113	23,273	17,809	10,695	5,510	1,456	816	548	346	42	151	164,958	
All species	95,448	175,774	197,923	183,670	153,228	108,710	78,929	44,818	40,347	28,143	14,004	9,499	20,774	1,151,267	

Table 16.--Net volume of sawtimber on State and private commercial timberland in New Mexico by species and diameter class, 1980

Species	Diameter class (inches at breast height)												All classes
	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 22.9	23.0- 24.9	25.0- 26.9	27.0- 28.9	29.0+		
----- Thousand board feet, International 1/4-inch rule -----													
Douglas-fir	101,351	127,886	132,990	85,593	77,270	48,959	57,957	41,052	27,179	13,552	45,926	759,715	
Ponderosa pine	188,966	309,241	317,759	241,143	190,094	128,893	103,407	82,040	24,882	21,848	45,722	1,653,995	
Southwestern white pine	865	1,092	2,368	2,197	1,876	1,525	727	--	455	363	214	11,682	
Limber pine	7,568	7,571	4,262	5,916	5,058	3,945	1,448	1,072	403	--	--	37,243	
Subalpine fir	46,290	48,366	31,893	19,354	16,540	9,946	7,816	3,198	1,464	1,245	1,401	187,513	
White fir	47,239	67,810	51,297	42,187	35,239	18,383	17,109	10,521	9,884	5,134	15,487	320,290	
Engelmann spruce	178,027	182,837	147,781	123,038	76,050	31,976	31,872	19,659	11,748	10,616	7,176	820,780	
Pinyon/juniper	4,432	3,434	3,546	3,465	735	--	222	--	153	--	--	15,987	
Total softwoods	574,738	748,237	691,896	522,893	402,862	243,627	220,558	157,542	76,168	52,758	115,926	3,807,205	
Aspen	XXXXX	124,823	100,669	55,180	23,696	6,819	1,660	886	286	--	--	314,019	
Cottonwood	XXXXX	335	--	6,048	6,841	1,013	2,054	1,684	1,428	197	702	20,302	
Other hardwoods	XXXXX	--	206	--	--	129	98	--	--	--	--	433	
Total hardwoods	XXXXX	125,158	100,875	61,228	30,537	7,961	3,812	2,570	1,714	197	702	334,754	
All species	574,738	873,395	792,771	584,121	433,399	251,588	224,370	160,112	77,882	52,955	116,628	4,141,959	

Table 17.--Net volume of growing stock and sawtimber on State and private commercial timberland in New Mexico by ownership class and species, 1980

Ownership class	Species													
	Douglas-fir	Ponderosa pine	Southwestern white pine	Limber pine	Subalpine fir	White fir	Engelmann spruce	Pinyon/ juniper	Total softwoods	Aspen	Cotton- wood	Other hardwoods	Total hardwoods	All species
GROWING STOCK														
Thousand cubic feet														
State	9,192	30,052	16	691	3,664	5,788	14,684	620	64,707	10,187	282	37	10,506	75,213
Private	173,959	383,152	2,963	10,423	52,177	89,441	201,294	8,193	921,602	147,798	6,119	535	154,452	1,076,054
Total	183,151	413,204	2,979	11,114	55,841	95,229	215,978	8,813	986,309	157,985	6,401	572	164,958	1,151,267

SAWTIMBER

Thousand board feet, International 1/4-inch rule														
State	32,723	122,101	68	1,921	11,890	18,698	54,622	1,044	243,067	13,503	825	47	14,375	257,442
Private	726,992	1,531,894	11,614	35,322	175,623	301,592	766,158	14,943	3,564,138	300,516	19,477	386	320,379	3,884,517
Total	759,715	1,653,995	11,682	37,243	187,513	320,290	820,780	15,987	3,807,205	314,019	20,302	433	334,754	4,141,959

Table 18.--Net volume of timber on State and private commercial timberland in New Mexico by class of timber, and softwoods and hardwoods, 1980

Class of timber	Softwoods	Hardwoods	All classes
Sawtimber trees:			
Saw-log portion	725,290	57,205	782,495
Upper-stem portion	57,996	3,441	61,437
Total	783,286	60,646	843,932
Poletimber trees			
	203,023	104,312	307,335
All growing stock trees	986,309	164,958	1,151,267
Sound cull trees			
Rotten cull trees	40,974	5,343	46,317
Salvable dead trees	8,899	14,320	23,219
	24,615	7,316	31,931
All timber	1,060,797	191,937	1,252,734

Table 21.--Net annual growth of growing stock and sawtimber on State and private commercial timberland in New Mexico by ownership class and species, 1979

Ownership class	Species					
	Douglas-fir	Ponderosa pine	Southwestern white pine	Limber pine	Subalpine fir	Engelmann spruce
	GROWING STOCK					
	Thousand cubic feet					
State	230	636	(¹)	16	97	392
Private	3,977	8,784	44	265	1,247	5,886
Total	4,207	9,420	44	281	1,344	6,278
	SAWTIMBER					
	Thousand board feet, International 1/4-inch rule					
State	887	2,874	1	47	509	2,230
Private	17,942	39,356	139	613	5,551	27,626
Total	18,829	42,230	140	660	6,060	29,856

Table 21 (con.)

Ownership class	Species				
	Pinyon/juniper	Total softwoods	Aspen	Cottonwood	All species
	GROWING STOCK				
	Thousand cubic feet				
State	--	1,496	280	18	1,794
Private	--	21,977	3,963	(¹)	26,155
Total	--	23,473	4,243	-5	27,949
	SAWTIMBER				
	Thousand board feet, International 1/4-inch rule				
State	--	6,924	541	61	7,525
Private	--	98,115	12,057	-34	110,718
Total	--	105,039	12,598	-35	118,243

¹Less than 500 cubic feet.

Table 22.--Annual mortality of growing stock and sawtimber on State and private commercial timberland in New Mexico by ownership class, and softwoods and hardwoods, 1979

Species group and ownership class	Growing stock		Sawtimber	
	Thousand -cubic feet-	Thousand -board feet ¹ -		
Softwoods:				
State	135	497		
Private	1,435	5,466		
Total	1,570	5,963		
Hardwoods:				
State	10	18		
Private	284	640		
Total	294	658		
All owners	1,864	6,621		

¹International 1/4-inch rule.

Table 23.--Annual mortality of growing stock and sawtimber on State and private commercial timberland in New Mexico by cause of death and species, 1979

Cause of death	Species									
	Douglas-fir	Ponderosa pine	South-western white pine	Subalpine fir	White fir	Engelmann spruce	Total softwoods	Aspen	Other hardwoods	Total hardwoods
GROWING STOCK										
						Thousand cubic feet				
Insects	--	25	--	28	23	83	159	59	--	59
Disease	--	17	--	--	69	--	86	69	--	69
Fire	57	202	--	--	66	--	325	--	--	--
Animal	--	--	--	--	--	--	--	--	--	--
Weather	--	21	12	--	21	--	54	--	--	54
Suppression	--	11	--	--	--	--	11	--	--	11
Unknown	38	389	--	83	232	57	799	95	7	102
Logging	--	108	--	--	28	--	136	64	--	64
Total	95	773	12	111	439	140	1,570	287	7	294
										1,864
SAWTIMBER										
						Thousand board feet, International 1/4-inch rule				
Insects	--	135	--	137	96	403	771	--	--	771
Disease	--	86	--	--	256	--	342	102	--	102
Fire	105	897	--	--	291	--	1,293	--	--	--
Animal	--	--	--	--	--	--	--	--	--	--
Weather	--	92	45	--	89	--	226	--	--	226
Suppression	--	--	--	--	--	--	--	--	--	--
Unknown	72	1,907	--	192	746	298	3,215	517	39	556
Logging	--	--	--	--	116	--	116	--	--	--
Total	177	3,117	45	329	1,594	701	5,963	619	39	658
										6,621

Felt, Dorothy G.; Sterrett, Velma J. Forest area and timber resource statistics for State and private lands in New Mexico, 1980. Resourc. Bull. INT-32. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Forest and Range Experiment Station; 1983. 29 p.

Presents land area, commercial timberland area, timber inventory, and growth and mortality data based on Forest Survey standards.

KEYWORDS: forest surveys (regional), forest area classification, stand volume

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